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Notice of Opportunity for Public Comment On Memoranda Clarifying the Scope of Petroleum Hazardous Waste Listings. F-2001-PR2P-FFFFF

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Notice:

Hazardous Waste Management System; Identification and Listing of Hazardous Waste: Spent Catalysts from Dual-Purpose Petroleum Hydroprocessing Reactors. Notice of Opportunity for Public Comment On Memoranda Clarifying the Scope of Petroleum Hazardous Waste Listings

Background Documents:

Clarifying the Scope of Petroleum Hazardous Waste Listings: Supplemental Information Regarding Petroleum Hydroprocessing Units, US EPA, Office of Solid Waste, June 2001.

References:

- "Spent Catalysts from Petroleum Refining Hydrocracking Processes," Memorandum from Elizabeth Cotsworth, Director, EPA Office of Solid Waste, to RCRA Senior Policy Advisors, Regions I X, October 28, 1999.
- "Spent Catalysts from Petroleum Refining "Dual Process" Units," Memorandum from Elizabeth Cotsworth, Director, EPA Office of Solid Waste, to RCRA Senior Policy Advisors, Regions I X, November 29, 1999.
- "Spent Catalysts from Petroleum Refining "Dual Process" Reactors," Memorandum from Elizabeth Cotsworth, Director, EPA Office of Solid Waste, to RCRA Senior Policy Advisors, Regions I X, June 1, 2000.
- "Request for Clarification of Issues Raised by EPA's November 29, 1999 Memo on the Petroleum Refinery Residual Listings/ Solid Waste Definition Exclusion Rule (63 FR 42110, August 6, 1998)," Letter from Elizabeth Cotsworth, Director, EPA Office of Solid Waste, to Mr. Keith Bergseid, Motiva Enterprises, LLC, June 1, 2000.
- "Request for Clarification of Issues Raised by EPA's November 29, 1999 Memo on the Petroleum Refinery Residual Listings/ Solid Waste Definition Exclusion Rule (63 FR 42110, August 6, 1998)," Letter from Elizabeth Cotsworth, Director, EPA Office of Solid Waste, to Mr. Mark C. Luce, Chevron Research and Technology Company, June 1, 2000.

- Andre', Jean-Philippe, Hahn, Soo-Kuhk, and Min, Dr. Whasik. "An Economical Route to High Quality Lubricants." AM-96-38. Presented at the 1996 NPRA Annual Meeting, San Antonio, Texas. March 17–19, 1996.
- Baker, Charles L., and McGuiness, Mary P. "Mobil Lube Dewaxing Technologies." AM-95-96. Presented at the 1995 NPRA Annual Meeting, San Francisco, California. March 19–21, 1995.
- Chen, Q.; van den Oosterkamp, Paul; and Barendregt, Simon. Petroleum Technology Quarterly. "Upgrading Gasoils by Mild Hydrocracking." Summer 1999.
- Colyar, J.J. "Ebullated-Bed Reactor Technology." IFP Industrial Division. 1997.
- Criterion, 1998. Hydrocracking Process Description and Criterion/Zeolyst Hydrocracking Catalyst Applications. August 1998.
- Dahlberg, A. J., Habib, M. M., Moore, R. O., Law, D. V., and Convery, L. J. "Improved Zeolitic Isocracking Catalysts." AM-95-66. Presented at the 1995 NPRA Annual Meeting, San Francisco, California. March 19–21, 1995.
- Danzinger, Friedrich; Groeneveld, Lucas R.; Tracy, William J.; and Macris, Aris. "Revamping OMV's FCC Pretreater to a Makfining MPHC Hydrocracker for Maximum Operational Flexibility and Profit." AM-99-39. Presented at the 1999 NPRA Annual Meeting, San Antonio, Texas. March 21–23, 1999.
- Desai, Pankaj H. "Mild Hydrocracking: Low Cost Option for Distillate Production." Akzo Nobel Chemicals, Houston, Texas. Circa 1996. Appears to be unpublished.
- Gary, James H. and Handwerk, Glenn E., "Petroleum Refining Technology and Economics," Third Edition, Marcel Dekker, Inc., New York, 1994. Title page and table of contents.
- George, S. E.; Foley, R. M.; Sanborn, L. J.; Johnson, P. S.; Boardman, S. R.; Gallagher, A.; Gualtieri, P. K.; Mok, W. S.; Nash, D. and Webb, A. "Hydrocracking to Achieve Product Flexibility." AM-94-19. Presented at the 1994 NPRA Annual Meeting, San Antonio, Texas. 1994.
- Heckel, Timothy, Thakkar, Vasant, Behraz, Emmanuel, Brierley, Gary, and Simpson, Stuart. "Developments in Distillate Fuel Specifications and Stategies for Meeting Them." AM-98-24. Presented at the 1998 NPRA Annual Meeting, San Francisco, California. March 15-17, 1998.
- Hydrocarbon Processing. "Refining '98." Process descriptions of hydroprocessing units. November 1998.

- Hydrocarbon Processing. "Refining Processes 2000." Process descriptions of hydroprocessing units. November 2000.
- Johns, William F.; Clausen, Glenn; Nongbri, Govanon; and Kaufman, Harold. "Texaco T-Star Process for Ebullated Bed Hydrotreating/Hydrocracking." AM-93-21. Presented at the 1993 NPRA Annual Meeting, San Antonio, Texas. March 21–23, 1993.
- Johns, William F.; Hall, Laura L.; Lamourelle, Alain P.; Moyse, Brian M.; and Rasmussen, Henrik W. "Low Pressure Mild Hydrocracking 'Room for Improvement'." AM-96-64. Presented at the 1996 NPRA Annual Meeting, San Antonio, Texas. March 17–19, 1996.
- Maheshri, J. C.; Kotob, S.; and Yousuf, B. H. "Hydrocracker Advanced Control Improves Profitability." *Hydrocarbon Processing*. pp. 85–92. October 2000.
- Marion, P.; and Koseoglu, R. O. *Fuel Technology and Management*. "Build Flexible Hydrocracking Configurations." Vol. 8 No. 1. pp. 51–54. January–February 1998.
- Nongbri, G; Brent, F. D.; Nelson, V.; Self, D.E.; and Kaufman, H. C. "Refining Trends in the 1990's." Presented at the Texaco Development Corporation Technology Seminar, Dubai. February 10-12, 1992.
- Nongbri, Govanon; Rodarte, Alma J.; and Falsetti, James S. "Mild Hydrocracking of Virgin Vacuum Gas Oil, Cycle Oils and Coker Gas Oil With the T-Star Process." AM-96-60. Presented at the 1996 NPRA Annual Meeting, San Antonio, Texas. March 17–19, 1996.
- U.S. Environmental Protection Agency, Office of Solid Waste. "Sampling and Analytical Data Report for Record Sampling and Characterization Under the 1992–1996 Petroleum Refining Listing Determination and Industry Study," Shell Oil Company, Wood River, IL. F-95-PRLP-S0030. October 26, 1995. (Excerpts)
- U.S. Environmental Protection Agency, Office of Solid Waste. "Listing Background Document for the 1992-1996 Petroleum Refining Listing Determination." October 31, 1995. F-95-PRLP-S0003. (Excerpts)
- U.S. Environmental Protection Agency, Office of Solid Waste. "Study of Selected Petroleum Refining Residuals, Industry Study." August 1996. (Excerpts)
- Wisdom, L. I.; Peer, E. D.; and Bonnifay, P. "H-Oil Versus Coking for the Turn of the Century." IFP Industrial Division. 1997.